

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

JUN 2 8 2013

REPLY TO THE ATTENTION OF: WC-15J

CERTIFIED MAIL 7009 1680 0000 7678 6867 RETURN RECEIPT REQUESTED

Mr. Jay Kilmer Village of Bethalto Public Works Director 101 South Prairie Street Bethalto, Illinois 62010

Subject: Wet Weather/Sanitary Sewer System Information Request

Issued Pursuant to Section 308(a) of the Clean Water Act, 33 U.S.C. § 1318(a)

Docket No. V-W-13-308-16

Dear Mr. Kilmer:

Protecting water quality is a high priority of the U.S. Environmental Protection Agency. Pollutants such as bacteria discharged to waterways from sewer overflows contribute to poor water quality and impairment of uses of those waterways. As authorized by the Clean Water Act (CWA), the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States.

The Illinois Environmental Protection Agency (IEPA) issued NPDES permit number IL0027464 to the City of Alton wastewater treatment plant. The permit authorizes discharges to waters of the United States in accordance with effluent limitations, monitoring requirements and other conditions set forth in the permit. The enclosed Information Request seeks information related to the operation and maintenance of the portion of the Village of Bethalto's sanitary sewer collection system that collects and conveys sewage to Alton's wastewater treatment plant including information about sewer overflows that may have left the collection system prior to receiving required treatment.

EPA is authorized under Section 308(a) of the CWA, 33 U.S.C. § 1318(a), to require reports and other information necessary to carry out the purpose of the CWA. Accordingly, pursuant to Section 308(a) of the CWA, you are directed to provide EPA with the information requested in the enclosure.

In accordance with Section V, Paragraph 2 of the Information Request, you must include with your response a statement certifying that all information you submit is true and accurate to the best of your knowledge and belief using the certification language provided in that paragraph. Any questions that do not directly relate to your municipality's sanitary sewer system operations can be addressed with "not applicable" and a brief explanation.

Please exercise care to assure that responses are complete and accurate because Section 309(c)(2) of the CWA, 33 U.S.C. § 1319(c)(2), imposes criminal penalties where false information is knowingly provided to EPA.

You must submit a written response, with the information requested in the enclosure, within 30 days of receipt of this request to:

Water Enforcement and Compliance Assurance Branch (WC-15J) U.S. Environmental Protection Agency, Region 5 77 West Jackson Boulevard Chicago, Illinois 60604-3590 Attention: Keith Middleton, Environmental Engineer

Thank you for your cooperation in this matter. Should you have any questions, please contact Keith Middleton of my staff at (312) 886-6465 or by e-mail at middleton.keith@epa.gov.

Sincerely,

ľinka G. Hyde

Director, Water Division

Enclosure

cc: Roger Callaway, Illinois Environmental Protection Agency, w/enclosure

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 5

IN THE MATTER OF:).	Docket No. V-W-13-308-16
Village of Bethalto, Illinois)	
)	Proceeding under Section 308(a) of the Clean Water Act, as amended, 33 U.S.C. § 1318(a)

INFORMATION REQUEST

I. STATUTORY AUTHORITY

The U.S. Environmental Protection Agency is issuing this Information Request to the Village of Bethalto (You) pursuant to the authority vested in the Administrator of EPA by Section 308(a) of the Clean Water Act (CWA), 33 U.S.C. § 1318(a). The Administrator has delegated this authority to the Regional Administrator of EPA, Region 5, who has re-delegated this authority to the Director of the Water Division, EPA Region 5.

II. INSTRUCTIONS

- 1. You must respond to this Information Request within 30 calendar days of its receipt by You. Submission instructions are in Section V of this Information Request.
- 2. You must respond separately to each of the requests. Where a "yes" or "no" answer is requested, You may provide additional information, if desired. Precede each answer with the number of the request to which it corresponds. For each document produced in response to this Information Request, indicate on the document, or in some other reasonable manner, the number of the request to which it corresponds.
- 3. If You do not have documents responsive to a particular request, state in your written response that You do not have responsive documents.
- 4. You must keep the reports and all records reviewed or generated in the course of responding to this Information Request until EPA informs You in writing that You are no longer required to keep the reports and records, or for three years, whichever is sooner.

III. DEFINITIONS

- 1. "Backup" or "Building/Property Backup" shall mean any release of wastewater to public or private property that is caused by Blockages or other conditions in the Sanitary Sewer System. Such releases can include, but are not limited to, those that occur in basements.
- 2. "Blockage" shall mean the partial or complete interruption of flow as a result of some obstruction in any portion of the Sanitary Sewer System.
- 3. "Bypass," as defined by 40 C.F.R. § 122.41(m), shall mean the intentional diversion of waste streams from any portion of a treatment facility.
- 4. "Collection System" shall mean all portions of your sewer system that collect and convey sanitary and/or combined sewage for treatment to the *City of Alton Sewage Treatment Plant (STP)*. The Collection System, for purposes of this Information Request, does not refer to a separate storm sewer system.
- 5. "Combined Sewer System(s)" shall mean all portions of your sewer system designed to convey municipal sewage (domestic, commercial, and industrial wastewater) and stormwater through a single-pipe system to the wastewater treatment plant or to combined sewer outfalls.
- 6. "Day" or "days" shall mean a calendar day or calendar days. In computing any period of time under this Information Request, where the last day would fall on a Saturday, Sunday, or federal or state holiday, the period shall run until the close of the next business day.
- 7. "Force Main" shall mean any pipe that carries wastewater under pressure from the discharge side of a pump to a point of gravity flow downstream.
- 8. "Gravity Sewer" shall mean a pipe that receives, contains, and conveys wastewater that is not normally under pressure and is intended to flow unassisted under the influence of gravity.
- 9. "Infiltration" shall mean water, other than wastewater, that enters your Sanitary Sewer System (including sewer service connections) from the ground through such means as defective pipes, pipe joints, connections, or manholes.
- 10. "Inflow" shall mean water, other than wastewater, that enters your Sanitary Sewer System from sources such as, but not limited to, roof leaders, cellar drains, yard drains, area drains, foundation drains, drains from springs and swampy areas, manhole covers, cross connections between storm sewers and sanitary sewers, catch basins, cooling towers, storm water, surface runoff, street wash waters, or drainage.
- 11. "I/I" shall mean the total quantity of water from Infiltration and Inflow without distinguishing the source.

- 12. "Private Lateral" shall mean that portion of the Sanitary Sewer System(s), not owned by You, used to convey wastewater from a building or buildings to that portion of the Sanitary Sewer System(s) owned by You.
- 13. "Pump Station" shall mean facilities comprised of pumps or other equipment that lift wastewater to a higher hydraulic elevation, including all related electrical, mechanical, and structural systems necessary to the operation of that pumping station.
- 14. "Record" or "records" shall mean any recording of information in tangible form. It includes, but is not limited to, documents, memoranda, reports, letters, maps, graphs, charts, log books, notes, emails, computer files, computer printouts, and computer databases.
- 15. "Sanitary Sewer Overflow" or "SSO" shall mean an overflow, spill, diversion, or release of wastewater from or caused by your Sanitary Sewer System(s). This term shall include: (i) discharges to waters of the United States from the Sanitary Sewer System(s); and (ii) any release of wastewater from the Sanitary Sewer System(s) to public or private property that does not reach waters of the United States, including Backups.
- 16. "Sanitary Sewer System(s)" shall mean all portions of your sewer system (including all pipes, Force Mains, Gravity Sewer segments, overflow structures, regulators, Pump Stations, manholes, and components thereof), designed and constructed to collect and convey only sewage, and not storm water, from residences, commercial buildings, industrial plants, and institutions for treatment at the City of Alton STP.
- 17. "Satellite Sewer System" shall mean a sewer Collection System that collects wastewaters from a legal entity other than You and delivers these wastewaters to your receiving sewer(s) or interceptor(s). Legal entities can include unincorporated areas. The Satellite Sewer System often, but not always, depends on a downstream authority for the treatment of these transferred wastewaters.
- 18. "Wastewater Treatment Plant(s)" or "WWTP(s)" shall mean the wastewater treatment plant(s) operated by the City of Alton, National Pollutant Discharge Elimination System (NPDES) Permit Number IL0027464, and located at 19 Chessen Lane, Alton, Illinois and all components of such sewage treatment plant(s).
- 19. "You" for purposes of this Information Request refers to the Village of Bethalto and to any agents, employees, contractors, or other entities that performed work or acted in any way on behalf of, or at the direction of, Village of Bethalto.

IV. REQUESTS

General Information

- 1. Provide the name and address of the location(s) where You maintain records relative to the operation and maintenance (O&M) of your Sanitary Sewer System(s).
- 2. Provide the name and title of the primary contact person(s) responsible for Sanitary Sewer System collection and maintenance. Also provide telephone, fax, and email contact information for such person(s).
- 3. Provide the following documents:
 - a. The latest NPDES permit, if applicable, issued to You for the WWTP/Sanitary Sewer System(s), including modifications and the associated permit application.
 - b. A map of the service area for your Sanitary Sewer System(s) that identifies the following information:
 - i. Delineation of separate and combined sewer areas, if applicable

4. Provide the following information for your Sanitary Sewer System(s):

- ii. Locations of SSOs reported in Question 16, chronic street flooding areas reported in Question 8, and chronic Backup areas reported in Question 28 (can be handwritten/drawn on map)
- iii. Location of all permitted and/or non-permitted outfalls for your Sanitary Sewer System(s) and for your Combined Sewer System(s)

Collection System/Service Area

a. Service area (in square nb. Population servedc. System inventory	niles)	·
Miles of Gravity Sewer	Miles of Force Main	Number of Pump Stations
·		
d. Number of service conne	ections:	
ResidentialIndustrial	Commercial Total	

e. Provide actual flows experienced for the previous 12 months expressed in million gallons per day (MGD). Cite the source or calculation method from which You obtained these values (e.g., flow meters, billing statements, etc.).

	Average Daily Wastewater Flow (MGD)	Source (or calculation method) of Average Daily Wastewater Flow Values	Average Daily Water Consumption (MGD)	Source (or calculation method) of Average Daily Water Consumption Values
Residential				
Commercial			· .	
Industrial				
Other				
Total				

f.	Minimum wastewater flow experienced in a 24 hour period for the previous 12 months expressed in MGD:
g.	Is the Collection System a Combined Sewer System? YesNo
	If yes, what percent of the Collection System is combined?

h. Provide infrastructure age distribution estimates for the Collection System.

Age	Gravity Sewer, miles	Force Mains, miles or feet	Number of Pump Stations
0 - 25 years			
26 - 50 years		,	
51 - 75 years			
> 76 years			

i. Provide pipe size distribution estimates for the Collection System.

Diameter in inches	Gravity Sewer, miles	Force Mains, miles or feet
8 inches or less		
9 - 18 inches		
19 - 36 inches		
> 36 inches		

5. Indicate or describe a property owner's responsibility for maintenance and repair of Private Laterals (check one):

	a. At main line connection onb. From main line to propertyc. Beyond property line/clean	line or easement/	cleanout
	d. Other	Out	-
6. 7.	design, construction, operation,	and maintenance	ine if the capacity of the existing Sanitary
	a. Is flow metering performed Yes No		
	b. Do You use a hydraulic mo new connections? Yes No	del of the Sanitar	y Sewer System(s) to predict the effects of
	<u>-</u>	s) has been deterr	nsed professional engineer indicating that nined to have adequate capacity to
8.	Are there portions of the Collect flooding, with sewage as a come Yes No	•	ce areas that have experienced street t five years?
	If yes, describe and list all areas	s that experience of	thronic street flooding.
Sa	tellite Sewer Systems/Sewer Use	Ordinance	
9.	Does the Collection System rec	eive flow from Sa	atellite Sewer System communities?
	If yes, complete the following c attach a separate table.	hart. If additiona	l room is needed, continue on last page or
	Satellite Community Name	% Flow Contributed	Primary Contact Name and Contact Information (address, phone, email) for Satellite

	:				
-					
,	•				
sei	o Satellite Sewer System comprises (contracts, charters, courses No	munities enter int	o written agreement ith You?	s for waste	ewater
If	yes, please answer the followi	ng questions liste	ed below:		
a.	Do the agreements extend the Satellite Sewer System community Yes No		f the sewer use ordin	nance (SU)	O) to the
Ъ.	Do You maintain the legal a Collection System from Sate Yes No	uthority to contro ellite Sewer Syste	l the maximum flow m communities?	introduce	ed into the
c.	Is flow metered at locations directly enters your Sanitary Yes No			System co	mmunities
d.	Do You have the authority to excessive flows (i.e., for excessive No	o surcharge Satel essive I/I)?	lite Sewer System co	ommunitie	s for
e.	Have You exercised your au excessive flows (i.e., for exc		ge Satellite Sewer S	ystem con	nmunities for
	If yes, identify the Satellite S when You took the action, a	Sewer System con nd describe the a	nmunities for which	You took	this action,
11. In	dicate whether the SUO conta	ins procedures fo	r the following:		
a.	Inspection standards		-	Vac	λTa
	Pretreatment requirements			Yes Yes	No

c.	Building/sewer permit issues	Yes	No
d	. Inflow prohibition	Yes	No
	ndicate whether the SUO contains procedures and enforcement authobllowing:	rity to con	ntrol the
a. b. c. d. e. f.	I/I Building structures over the sewer lines Storm water connections to sanitary lines	Yes Yes Yes	No
13. Id	lentify the total number of Force Main failures that have occurred in	the last fiv	e years.
	rovide a description of the cause(s) of each Force Main failure that have years.	is occurre	d in the last
Pump	Stations		
15. Pı	ovide the following information related to Pump Stations in your Co	llection S	ystem:
a.	Total number of Pump Stations in the Collection System		
b.	Number of Pump Stations with on-site pump capacity redundancy		
c.	Number of Pump Stations with dry weather capacity limitations		
d.	Number of Pump Stations with wet weather capacity limitations		· · · · · · · · · · · · · · · · · · ·
e.	Number of Pump Station failures resulting in SSOs, or Backups, in the last five years		· .
f.	Number of Pump Stations fed with electrical power from at least two independent electrical power grid feeds		
g.	Number of Pump Stations with permanently installed backup power generators onsite that automatically activate when supplied power is interrupted		
h.	Number of Pump Stations with backup power capability, but only with portable generators to be brought to the Pump Station site from other locations		

i.	Number of Pump Stations with "pump around" capability (i.e., where Pump Station wet well can be evacuated and pumped with portable pump to nearby downstream Sanitary Sewer System manhole)
j.	Number of Pump Stations where conditions are monitored remotely and that trigger an alarm at a central monitoring location (e.g., at the WWTP or central public works center)
Sanita	ry Sewer Overflows
Inc	escribe each SSO that has occurred in the Collection System within the last five years. clude the following information for each SSO (create a supplemental table as necessary to the data below):
a.	Date of the SSO
	Location of the SSO
c.	Estimated volume of the SSO (in gallons or million gallons (MG))
d.	Cause of the SSO
	How You determined that the SSO occurred
f.	Depth of precipitation (in inches) received (if any) contributing to the SSO
g.	Peak WWTP flow (in MGD) on the day that the SSO occurred
h.	Disposition of the SSO (i.e., did the release reach a waterway, flow to storm sewer, paved areas, etc.)
i.	Actions taken to mitigate the SSO
j.	Whether or not You reported the SSO to the state environmental agency
k.	How soon after the SSO You reported it
1.	Whether any samples of the SSO discharge were collected and analyzed
	entify the number of SSOs that originated from each of the following sources in the last re years:
a.	Manholes
b.	Pump Stations ————
c.	Main and trunk sewers
d.	Lateral and branch sewers
e.	Structural Bypasses or relief points
f.	Force Mains
g.	Other, explain:
18. Ide in	entify the volume of SSOs expressed in gallons or MG from each of the following sources the last five years:
a.	Pump Stations
	Force Mains
c,	Manholes
d.	Other, explain:

19	. Id	entify the number of SSOs caused by the following in the	last five y	ears:	
	a. b. c. d. e. f. g. h. i. j. k.	Debris buildup Collapsed pipe Root intrusion Capacity limitations Excessive I/I Fats, oil, and grease Vandalism Power interruption and/or lack of backup power source Mechanical or electronic failure Pump failure and/or lack of backup (or duplex) pumps Other, explain:			
20.		r the SSOs to waterways that are identified in response to face waters that could affect:	Question	16, how	many were to
	a. b. c.	Primary contact recreation (swimming, bathing, waterski Shellfish growing areas Drinking water sources	ing, etc.)	-	
21.	W	nat equipment is available to You for responding to SSOs?	,		
22.	De	scribe how You monitor SSO occurrence and frequency.			
23.		entify whether You have developed and adopted written prolowing:	ocedures	or instruc	ctions for the
	b. c. d.	Identifying SSOs Emergency response for SSOs Reporting all SSOs to the state regardless of size Containment or cleanup to mitigate the effect of SSOs Problem evaluation and resolution		Yes	
24.	De	scribe your procedure for reporting SSOs to the state envir	onmental	agency.	
Bac	kuj	<u>os</u>			
25.	De	scribe how You document the occurrence of, and response	to, Back	ups.	
26.	Ind	icate the month and year when You began to document Ba	ackups: _		
27.	Pro	vide the following information related to Backups:			

a. Number of Backups that have occurred in each year for the last five years; and

	b.	Number of Backups in each year for the last five years for which You were liable
28.	Ye	e there portions of the Collection System that have chronic problems with Backups? s No yes, list and describe each area and the reasons for chronic Backups in that area.
Blo	ocka	ages
29.	De	scribe how You document the occurrence of, and response to, Blockages.
30.	Pro Sys	ovide the following information related to Blockages that have occurred in your Collection stem in each year for the last five years:
	b. c.	Number of Blockages for each year Average time to clear a Blockage (minutes) Number of Blockages resulting in SSOs and/or Backups for each year Total volume of SSOs (gallons or MG) that resulted from Blockages for each year
Inf	iltra	ation and Inflow
31.	Pro	ovide the following information for I/I in the Sanitary Sewer System(s):
	a.	Have You done an assessment to determine the extent of I/I? Yes No If yes, when?(mo/yr)
	b.	Has it been demonstrated that it is more cost effective to eliminate rather than treat I/I? Yes No
	c.	Have You performed a sewer system evaluation study (SSES), as defined in the U.S. EPA Handbook for Sewer System Evaluation and Rehabilitation (December 1975)? Yes No (mo/yr)
	d.	Have rehabilitation projects been prioritized for correcting I/I problems? Yes No
		If yes, how far has the I/I elimination program progressed?
	e.	Do You or any of your Satellite Sewer System communities have a private source I/I reduction program? Yes No
		If yes, describe the program.

Operation and Maintenance

32	Have You developed a capacity, management, operation, and maintenance (CMOM) rogram, as defined in the U.S. EPA Guide for Evaluating Capacity, Management, Operation, and Maintenance (CMOM) Programs at Sanitary Sewer Collection Systems January 2005)?				
		If yes, when?	(mo/yr)		
33	3. Describe the operation and maintenance (O&M) procedures You have in place to locate and eliminate problems in your Collection System that would cause or contribute to SSOs and Backups. These procedures can include, but are not limited to, grease control, root control, sewer cleaning, I/I evaluation, problem area targeting, downspout disconnection program, etc.				
34.	Indicate whether You have developed and adopted written procedures or instructions for the following:				
	a. Collection system maintenanceb. Collection system capacity manager	nent	Yes Yes	No No	
35. Does the Sanitary Sewer System(s) experience chronic O&M problems that are attributed design problems? Yes No					
	If yes, provide a brief explanation.				
	Does the Sanitary Sewer System(s) experiments construction issues in the system? Yes No	erience chronic O&M prob	lems that are t	he result of	
	If yes, provide a brief explanation.				
37.	Do You physically inspect all sanitary system manholes on a defined frequency? Yes No				
	If yes, on what frequency: every months (e.g., every 36 months)				
38.	List the frequency of cleaning sewers and manhole basins for the following:				
	a. Largest sewers: everymonths (e.g., every 36 months) b. Smaller sewers: everymonths				
39.	Do You conduct internal smoke testing Yes No	to evaluate the condition of	f the Collection	n System?	
	If yes on what frequency? Every	months (e.g. every 36 mg	antha)		

40. Do You televise the sewers to evaluate the condition of the Collection System? Yes No	
41. Do You operate an industrial pretreatment program approved by EPA or the State? Yes No	
42. Do You have a formalized Sanitary Sewer Overflow Emergency Response Plan or a simil plan to responded to SSOs, in accordance with pages 2-22 and 2-23 of U.S. EPA's Guide Evaluating CMOM Programs at Sanitary Sewer Collection Systems, EPA 305-B-05-002 (January 2005)? Yes No	ar for
Wastewater User and Customer Complaints	

- 43. Describe how You receive, document, and respond to citizen complaints regarding the Sanitary Sewer System.
- 44. Provide the following information related to Sanitary Sewer System user complaints:
 - a. Number of user complaints received each year for the last five years
 - b. Number of user complaints received each year for the last five years that were your responsibility
 - c. Number of claims received and damages paid each year for the last five years
- 45. Provide the number of public health or other warnings You issued that were attributed to wastewater each year for the last five years and the dates of each such warning.

V. SUBMITTALS

1. Please submit your response to this Information Request within 30 days of your receipt of the Information Request to:

Water Enforcement and Compliance Assurance Branch (WC-15J)
U.S. Environmental Protection Agency, Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604-3590
Attention: Keith Middleton, Environmental Engineer

2. You must submit all requested information under an authorized signature with the following certification:

I certify under penalty of law that this response and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person(s) who manage the system, or those person(s) directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

- 3. If You find at any time after submitting information to EPA that any portion of the submittal is false or incorrect, You must notify EPA immediately. Knowing submittal of false information to EPA in response to this Information Request may subject You to criminal prosecution under Section 309(c) of the CWA, 33 U.S.C. § 1319(c), and 18 U.S.C. §§ 1001 and 1341.
- 4. You may not withhold information because You claim it is confidential. However, pursuant to 40 C.F.R. Part 2, Subpart B, You may assert a claim of business confidentiality regarding any portion of the information submitted in response to this Information Request, as provided in 40 C.F.R. § 2.302(a)(2). The regulations provide that a person may assert a business confidentiality claim covering part or all of the information furnished to EPA when that person submits the information. The manner of asserting such claims is specified in 40 C.F.R. § 2.203(b). Effluent data (as defined in 40 C.F.R. § 2.302(A)(2)) and information in NPDES permit applications is not entitled to confidential treatment. 40 C.F.R. § 122.7. Information subject to a business confidentiality claim is available to the public only to the extent, and by means of the procedures, set forth in 40 C.F.R. Part 2, Subpart B. If You do not assert a claim of business confidentiality when You submit the information, EPA may make the information available to the public without further notice.
- 5. This Information Request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 *et seq.*, because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

- 6. EPA may use the information submitted in response to this Information Request in an administrative, civil or criminal action.
- 7. Neither the issuance of this Information Request by EPA nor your compliance with this Information Request relieves You of liability for any penalty, fine, remedy or sanction authorized to be imposed pursuant to Section 309(b), (c), (d), or (g) of the CWA, 33 U.S.C. § 1319(b), (c), (d), or (g), including but not limited to those related to any violations addressed by this Information Request. EPA specifically reserves the right to seek any of the remedies specified in Section 309(b), (c), (d), or (g) of the CWA, 33 U.S.C. § 1319(b), (c), (d), or (g).
- 8. There can be significant civil or criminal penalties for failing to adequately respond to requests for information issued under the Section 308(a) of the CWA, 33 U.S.C. § 1318(a).

6/28/13

9. Please contact Keith Middleton of my staff by telephone at (312) 886-6465, or via email at middleton.keith@epa.gov, if You have any questions about this Information Request.

Tinka G. Hyde

Director, Water Division

U.S. Environmental Protection Agency, Region 5